SABA
SHORT-ACTING BETA-2 AGONIST

ProAir HFA Ⓖ — 4+
METERED DOSE (200 inhalations)
Albuterol

ProAir Respiclick — 4+
DRY POWDER (200 inhalations)
Albuterol

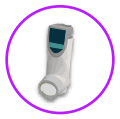
ProAir Digihaler — 4+
DRY POWDER (200 inhalations)
Albuterol

Proventil HFA Ⓖ — 4+
METERED DOSE (200 inhalations)
Albuterol

Ventolin HFA Ⓖ — 4+
METERED DOSE (200 inhalations)
Albuterol

Xopenex HFA Ⓖ — 4+
METERED DOSE (200 inhalations)
Levalbuterol

SABA + ICS
COMBINATION



Airsupra — 18+
METERED DOSE (120 inhalations)
Albuterol/Budesonide

SAMA
SHORT-ACTING MUSCARINIC ANTAGONIST

Atrovent HFA — C
METERED DOSE (200 inhalations)
Ipratropium

SAMA + SABA
COMBINATION

Combivent Respimat — C
SOFT MIST (120 inhalations)
Ipratropium/Albuterol

LABA
LONG-ACTING BETA-2 AGONIST

Serevent Diskus — 4+ 4+ C
DRY POWDER (60 inhalations)
Salmeterol

Striverdi Respimat — C
SOFT MIST (60 inhalations)
Olodaterol

LAMA
LONG-ACTING MUSCARINIC ANTAGONIST

Incruse Ellipta — C
DRY POWDER (30 inhalations)
Umeclidinium

Spiriva HandiHaler — C
DRY POWDER (30 doses [2 inhalations/capsule])
Tiotropium

Spiriva Respimat — 6+ C
SOFT MIST (60 inhalations)
Tiotropium

Tudorza Pressair — C
DRY POWDER (60 inhalations)
Aclidinium

LAMA + LABA
COMBINATION

Anoro Ellipta — C
DRY POWDER (30 inhalations)
Umeclidinium/Vilanterol

Bevespi Aerosphere — C
METERED DOSE (120 inhalations)
Glycopyrrolate/Formoterol

Duaklir Pressair — C
DRY POWDER (60 inhalations)
Aclidinium/Formoterol

Stiolto Respimat — C
SOFT MIST (60 inhalations)
Tiotropium/Olodaterol

ICS + LAMA + LABA
COMBINATION

Breztri Aerosphere — C
METERED DOSE (120 inhalations)
Budesonide/Glycopyrrolate/Formoterol

Trelegy Ellipta — 18+ C
DRY POWDER (30 inhalations)
Fluticasone furoate/Umeclidinium/Vilanterol

ICS
INHALED CORTICOSTEROID

Alvesco — 12+
METERED DOSE (60 inhalations)
Ciclesonide

ArmonAir Digihaler — 12+
DRY POWDER (60 inhalations)
Fluticasone propionate

Arnuity Ellipta — 5+
DRY POWDER (30 inhalations)
Fluticasone furoate

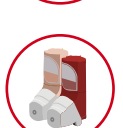
Asmanex Twisthaler — 4+
DRY POWDER (110 mcg: 30 inhalations)
(220 mcg: 120 inhalations)
Mometasone

Asmanex HFA — 5+
METERED DOSE (120 inhalations)
Mometasone

Flovent Diskus *Brand discontinued; Authorized generic available* — 4+
DRY POWDER (60 inhalations)
Fluticasone propionate

Flovent HFA *Brand discontinued; Authorized generic available* — 4+
METERED DOSE (120 inhalations)
Fluticasone propionate

Pulmicort Flexhaler — 6+
DRY POWDER (90 mcg: 60 inhalations)
(180 mcg: 120 inhalations)
Budesonide



QVAR RediHaler — 4+
METERED DOSE (120 inhalations)
Beclomethasone

ICS + LABA
COMBINATION

Advair Diskus Ⓖ — 4+ C
DRY POWDER (60 inhalations)
Fluticasone prop./Salmeterol

Advair HFA Ⓖ — 12+
METERED DOSE (120 inhalations)
Fluticasone prop./Salmeterol

AirDuo RespiClick Ⓖ — 12+
DRY POWDER (60 inhalations)
Fluticasone prop./Salmeterol

AirDuo Digihaler — 12+
DRY POWDER (60 inhalations)
Fluticasone prop./Salmeterol

Breo Ellipta — 5+ C
DRY POWDER (30 inhalations)
Fluticasone furoate/Vilanterol

Breyna *Generic for Symbicort* — 6+ C
METERED DOSE (120 inhalations)
Budesonide/Formoterol

Dulera — 5+
METERED DOSE (120 inhalations)
Mometasone/Formoterol

Symbicort Ⓖ — 6+ C
METERED DOSE (120 inhalations)
Budesonide/Formoterol

Wixela Inhub *Generic for Advair Diskus* — 4+ C
DRY POWDER (60 inhalations)
Fluticasone prop./Salmeterol

FDA-APPROVED INDICATIONS* # = Age (years) approved for asthma # = Age (years) approved for bronchospasms C = Approved for COPD

Updated 1/2024

**SABAs are FDA-approved for bronchospasms in reversible obstructive airway diseases and exercised-induced bronchospasm (EIB), except Xopenex (levalbuterol) is not indicated for EIB; Airsupra (albuterol/budesonide) is indicated as-needed for bronchoconstriction and to reduce the risk of exacerbations in asthma; Serevent Diskus (salmeterol) is indicated for EIB, asthma (in addition to an ICS), and COPD. Indications and evidence for individual agents are subject to change and geographic variability.*

Ⓖ Authorized generic available

Ⓖ Both authorized generic and branded generic available

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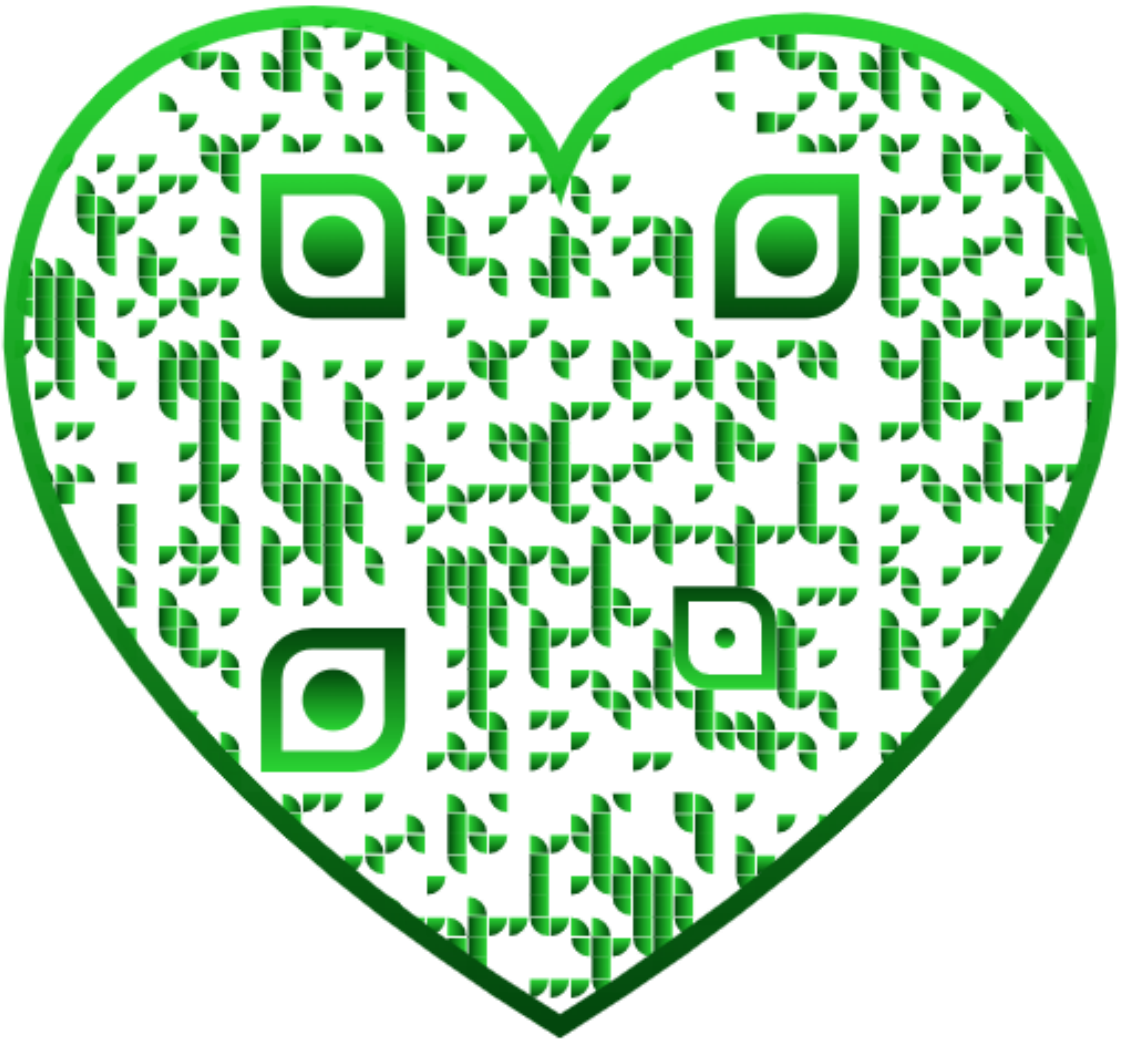

FDA-APPROVED INDICATIONS* # = Age (years) approved for asthma # = Age (years) approved for bronchospasms C = Approved for COPD **Updated 12/2023**

**SABAs are FDA-approved for bronchospasms in reversible obstructive airway diseases and exercised-induced bronchospasm (EIB), except Xopenex (levalbuterol), which is not indicated for EIB; Airsupra (albuterol/budesonide) is indicated as-needed for bronchoconstriction and to reduce the risk of exacerbations in asthma; Serevent Diskus (salmeterol) is indicated for EIB, asthma (in addition to an ICS), and COPD. Indications and evidence are subject to change and geographic variability.*

Aclidinium
Long-Acting Muscarinic Antagonist
TUDORZA PRESSAIR™ C
400 mcg

Aclidinium/Formoterol
Long-Acting Muscarinic Antagonist/
Long-Acting Beta-2 Agonist
DUAKLIR PRESSAIR® C
400/12 mcg

Albuterol
Short-Acting Beta-2 Agonist
PROAIR®, PROVENTIL®, VENTOLIN® 4+
90 mcg
Authorized generics available

Albuterol/Budesonide
Short-Acting Beta-2 Agonist/
Inhaled Corticosteroid
AIRSUPRA™ 18+
90/80 mcg

Beclomethasone
Inhaled Corticosteroid
QVAR REDIHALER® 4+
40, 80 mcg

Budesonide
Inhaled Corticosteroid
PULMICORT FLEXHALER® 6+
90, 180 mcg

Budesonide/Formoterol
Inhaled Corticosteroid/
Long-Acting Beta-2 Agonist
SYMBICORT® 6+ C
80/4.5, 160/4.5 mcg
Generics: Both an authorized generic and Breyna available

Budesonide/Glycopyrrolate/Formoterol
Inhaled Corticosteroid/
Long-Acting Muscarinic Antagonist/Long-Acting Beta-2 Agonist
BREZTRI AEROSPHERE™ C
160/9/4.8 mcg

Ciclesonide
Inhaled Corticosteroid
ALVESCO® 12+
80, 160 mcg

Fluticasone furoate
Inhaled Corticosteroid
ARNUITY ELLIPTA® 5+
50, 100, 200 mcg

Fluticasone propionate
Inhaled Corticosteroid
ARMONAIR DIGIHALER® 12+
55, 113, 232 mcg
FLOVENT DISKUS® 4+
50, 100, 250 mcg
FLOVENT® HFA 4+
44, 110, 220 mcg
Flovent products are not available; Only their authorized generics are available

Fluticasone/Salmeterol
Inhaled Corticosteroid/
Long-Acting Beta-2 Agonist
AIRDUO® [RespiClick/Digihaler] 12+
55/14, 113/14, 232/14 mcg
ADVAIR DISKUS® 4+ C
100/50, 250/50, 500/50 mcg
ADVAIR® HFA 12+
45/21, 115/21, 230/21 mcg
Advair HFA, AirDuo: Authorized generics available
Advair Diskus: Both an authorized generic and Wixela Inhub available

Fluticasone/Umeclidinium/Vilanterol
Inhaled Corticosteroid/
Long-Acting Muscarinic Antagonist/Long-Acting Beta-2 Agonist
TRELEGY ELLIPTA® 18+ C
100/62.5/25 mcg
200/62.5/25 mcg

Fluticasone/Vilanterol
Inhaled Corticosteroid/
Long-Acting Beta-2 Agonist
BREO ELLIPTA® 5+ C
50/25, 100/25, 200/25 mcg

Glycopyrrolate/Formoterol
Long-Acting Muscarinic Antagonist/
Long-Acting Beta-2 Agonist
BEVESPI AEROSPHERE® C
9/4.8 mcg

Ipratropium
Short-Acting Muscarinic Antagonist
ATROVENT® HFA C
~17 mcg

Ipratropium/Albuterol
Short-Acting Muscarinic Antagonist/
Short-Acting Beta-2 Agonist
COMBIVENT RESPIMAT® C
20/100 mcg

Levalbuterol
Short-Acting Beta-2 Agonist
Xopenex® 4+
45 mcg
Authorized generic available

Mometasone
Inhaled Corticosteroid
ASMANEX TWISTHALER® 4+
110, 220 mcg
ASMANEX® HFA 5+
50, 100, 200 mcg

Mometasone/Formoterol
Inhaled Corticosteroid/
Long-Acting Beta-2 Agonist
DULERA® 5+
50/5, 100/5, 200/5 mcg

Olodaterol
Long-Acting Beta-2 Agonist
STRIVERDI RESPIMAT® C
2.5 mcg

Salmeterol
Long-Acting Beta-2 Agonist
SEREVENT DISKUS® 4+ 4+ C
50 mcg

Tiotropium
Long-Acting Muscarinic Antagonist
SPIRIVA HANDIHALER® C
18 mcg
SPIRIVA RESPIMAT® 6+ C
1.25, 2.5 mcg

Tiotropium/Olodaterol
Long-Acting Muscarinic Antagonist/
Long-Acting Beta-2 Agonist
STIOLTO RESPIMAT® C
2.5/2.5 mcg

Umeclidinium
Long-Acting Muscarinic Antagonist
INCRUSE ELLIPTA® C
62.5 mcg

Umeclidinium/Vilanterol
Long-Acting Muscarinic Antagonist/
Long-Acting Beta-2 Agonist
ANORO ELLIPTA® C
62.5/25 mcg

ICS DAILY DOSE CATEGORIZATION
IN ADULTS AND CHILDREN AGE 6 YEARS AND UP

ICS (DELIVERY)	TOTAL DAILY DOSE (MCG/DAY)			
	Age	Low	Medium	High
Beclomethasone (MDI)	12+ years	100-200	>200-400	>400
	6-11 years	50-100	>100-200	>200
Budesonide (DPI)	12+ years	200-400	>400-800	>800
	6-11 years	100-200	>200-400	>400
Ciclesonide (MDI)	12+ years	80-160	>160-320	>320
	6-11 years	80	>80-160	>160
Fluticasone furoate (DPI)	12+ years	100	100	200
	6-11 years	50	50	N/A
Fluticasone prop. (DPI)	12+ years	100-250	>250-500	>500
	6-11 years	50-100	>100-200	>200
Fluticasone prop. (MDI)	12+ years	100-250	>250-500	>500
	6-11 years	50-100	>100-200	>200
Mometasone (DPI)	12+ years	200	200	400
	6-11 years	N/A	N/A	N/A
Mometasone (MDI)	12+ years	200-400	200-400	>400
	6-11 years	100	100	200

ICS DAILY LOW DOSE CATEGORIZATION
IN CHILDREN AGE 5 YEARS AND YOUNGER

ICS (DELIVERY)	LOW TOTAL DAILY DOSE (MCG/DAY) (Age group with adequate safety & efficacy data)
Beclomethasone (MDI)	**50** (ages 5+ years)
Budesonide (nebulized)	**500** (ages 1+ years)
Ciclesonide (MDI)	**Not sufficiently studied in age 5 and under**
Fluticasone furoate (DPI)	**50** (ages 5+ years)
Fluticasone prop. (MDI)	**50** (ages 4+ years)
Mometasone (MDI)	**100** (ages 5+ years)

References: 2023 GINA Report: Global Strategy for Asthma Management and Prevention, FDA Prescribing Information for the individual medications.

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